IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Video Projector
Manufacturer: Eiki
Firmware Version: N/A
Model(s): LC-X60, LC-X70, LC-X71

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
6	7/26/2013	1.6.0	3.5.0	Fixed lamp usage commands and added operation hours.
5	10/24/2006	1.0.9.3	2.2	Beta. Fixed pin out diagram. Updated standards.
3	9/14/2006	1.0.9.3	2.2	Beta. Added model LC-X71. Updated power query.
2	5/5/2006	1.0.9.3	2.1	Beta. Corrected Data Bit information and Pin Diagram. Updated input commands based on customer feedback.
1	11/3/2005	1.0.9.3	2.1	Beta. Initial version.

Driver Notes:

- Driver has been optimized for Volume.

Control Commands & States:

Aspect Ratio	Normal	Wide	True
	Full		
Audio Mute	On	Off	
Auto Image	Execute		
Freeze	On	Off	
Input	Input 1 RGB	Input 1 SCART	Input 1 DVI (Digital)
	Input 1 DVI (HDCP)	Input 2 Video	Input 2 YPbPr
	Input 2 RGB	Input 3 Video	Input 3 S-Video
	Input 3 YPbPr	Input 4 network	
Lamp Mode	Normal	Eco	Auto
Power Control	On	Off	
Video Mute	On	Off	
Volume (Discrete)	0 to 63 in steps of 1		
Volume (Step)	Up	Down	

Status Available:

Aspect Ratio	Normal	Wide	True
	Full		
Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Device Status	Normal	Power Abnormality	Abnormal Temperature
	Status Unavailable	Cooling Down (Lamp Failure)	Processing Power Save (Cooling Down)
	Temp Warning and Recovered	Temp Warning and Cooling Down	Power Save
Freeze	On	Off	
Input	Input 1 RGB	Input 1 SCART	Input 1 DVI (Digital)
	Input 1 DVI (HDCP)	Input 2 Video	Input 2 YPbPr
	Input 2 RGB	Input 3 Video	Input 3 S-Video
	Input 3 YPbPr	Input 4 network	
Lamp Mode	Normal	Eco	Auto
Lamp Usage	Hours		
Operation Hours	Hours		
Power Control	On	Off	
Power Status	On	Off	Warming Up
	Cooling Down	Status Unavailable	
Video Mute	On	Off	
Volume (Discrete)	0 to 63 in steps of 1		

MLC60 Series Supported Commands:

Aspect Ratio	Normal	Wide	True
	Full		
Audio Mute	On	Off	
Auto Image	Execute		
Freeze	On	Off	
Input	Input 1 RGB	Input 1 SCART	Input 1 DVI (Digital)
	Input 1 DVI (HDCP)	Input 2 Video	Input 2 YPbPr
	Input 2 RGB	Input 3 Video	Input 3 S-Video
	Input 3 YPbPr	Input 4 network	
Lamp Mode	Normal	Eco	Auto
Power Control	On	Off	
Video Mute	On	Off	
Volume (Discrete)	0 to 63 in steps of 1		
Volume (Step)	Up	Down	

Cable and Adapter Requirements:

8 Pin-DB9 conversion cables that comes with projector.

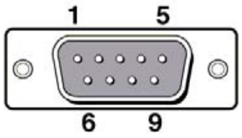
Notes for the Device:

Baud rate must be set to 19200 (factory default). See projector's user manual for further instructions.

Serial communication:

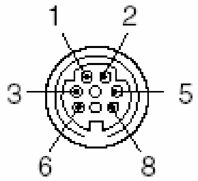
Port Type:	RS-232	**Parity:**	None
Baud Rate:	19200	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



RS232 DB9 Male IP Link® Device Interface

SIGNAL	PINS	MAIN CABLE	PINS	SIGNAL
RX	2	←	6	TD
TX	3	→	1	RD
GND	5		4	GND
RTS	7		7	GND
CTS	8		8	GND
			5	RTS/CTS



Mini 8 Pin DIN, Female Projector

Note: Captive screw connector may also be used as a serial connection by shorting projector's (RTS/CTS) pin to ground. If a communication problem exists, try grounding pin 5 (RTS/CTS) of the 8 pin together with pin 4, 7, and 8.

General Notes: